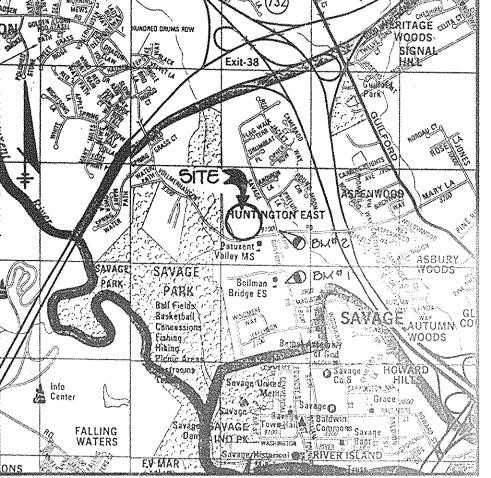
EX. 20' DRAINAGE & UTILITY EASEMENT LOT 10 'WATER SEWER DRAINAGE, ACCEDO ! LOT O LOT II GENERAL NOTES 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MISHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE. 2. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECCESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST VENERANDO FOR NICOTRA (BLAIR

PROFERTIES COURT' WATER SEWER ! UTILITY EASEMENT PRIVATE ROAD 3. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWNGS. 4. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BURGAL OF ENGINEERING/CONSTRUCTION INSPECTION AT (410) 313-1830 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK. 1865/268 5. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK. BELL TELEPHONE SYSTEM
LONG DISTANCE CABLE DIMISION
BALTIMORE GAS AND ELECTRIC CO.
HOWARD COUNTY BUREAU OF UTILITIES
COLONIAL PIPELINE 393-3649 393-3553 OR **3**554 PROPERTY OF 50'PRIVATE LIGE-IN-COMMON ACCESS EAGEMENT FOR LOTE 7-11 AND THE BLAIR PROFERTY AND A 50' SEWER, WATER, DRAINAGE & UTILITY EAGEMENT RAYMOND J. SHENK 6. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT. 614/200 5. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS. property of 6. ALL STREET CURB RETURNS SHALL HAVE 25' RADII UNLESS OTHERWISE NOTED. DONALD W. BLAIR 1000/1005 COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, La., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS. 2 FLOWLINE OF PROPERTY OF VOLIMER TRUDEN RO 9. PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD. DONALD L. BLALOCK 10. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARD: 501/141 ALL SC' RIGHT OF WAYS 11. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM. 12. ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T 180. 13. ALL PIPE ELEVATIONS SHOWN ARE INVERT OF ELEVATIONS. E 848,000 + PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS. 15. SUBJECT PROPERTY ZONED K-20 PER 10-18-93 COMPREHENSIVE ZONING PLAN. 16. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6° OF FINISHED GRADE. PLAN SCALE: 1"+50" ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4, VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED. 18. SEE DEPARTMENT OF PLANNING AND ZONING FILE NO'S. F-00-101, 6-01-10, WP-01-35, WP-03-54 LIGHT POLES, ARMS AND FIXTURES FOR STREET LIGHTS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME III AND GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS, JUNE 1893. 20. TOPOGRAPHY BHOWN HEREON 16 BABED ON LAND BERVICED GROUP, INC. FIELD RUN TOPOGRAPHY DATED MAY, 1000. 21. PROPOSED LOTS TO BE CERVED BY PUBLIC WATER & SEWER UNDER CONTRACT NO. 21.3081. PRAINAGE AREA: LITTLE PATLIXENT. OPERATION AND MAINTENANCE SCHEDULE 28. FEE IN-LIEU OF STORMWATER MANAGEMENT WAS GRANTED ON 3-1-24 OF HOME OWNERS ASSOCIATION OWNED AND MAINTAINED STORMWATER MANAGEMENT FACILITY DRIVEWAY ACCESS ONTO VOLLMERHAUSEN ROAD WAS APPROVED 11-1-90. EXTENDED DETENTION POND HOME OWNERS ASSOCIATION'S MAINTENANCE RESPONSIBILITIES: APPROVED 12-31-02. 205 1. Top and side slopes of the embankment shall be moved a minimum of two (2) times a year, once in June and once in September. Other side slopes, the bottom of the pond, and maintenance access should be mowed as needed. 26. GEOTECHNICAL REPORT PERFORMED BY EARTH LABORATORIES, INC. JANUARY, 1003. Debris and litter next to the outlet structure shall be removed during regular mowing operations and as needed. 27 1CS When deemed necessary for aesthetic reasons, sediment should be removed from the pond. Approval of the Department of Public Works is required. PVI STA. - 3.25.00 PY1 ELEV. 277.11 HOD . 170' CORR . + 3.661' EXIOTING GROUND GE RIGHT OF & - EXISTING GROUND @ & -P.G.L. @ & EXISTING GROUND -PROPOSED GRADE ? EXISTING GROUND PROP. 8"W (CONTR.# 24 3381-D) 278 2 RIPRAP PROTECTION -OVER FILTER FABRIC 450° 6° VENERANDO COURT PRIVATE ROAD DEOIGN OFFED: 25 MPH. 10" RCCP a 1ve 0.50% 18" RCCP, OL IV @ 0.50% EX. UL"O C.B.08% Q: 7.24 CFS Q0" 7.24 CFG Vo 4.10 PPS Yo 4.10 FPS 24 ROCP, CLIV C 0.68% Q10-875CFS V. 4.04795 118"RCCP, a IVeo 50% Q: 724 055 16. 4.10 FPS STORM DRAIN PROFILE FROFILE SCALE: HOR: 1":50" VERT: 1":5" SCALE: HOR.: 1"=50" VERT.: 1"=5"

- 23. WP. 01-35 A WAIVER OF SECTIONS 16.115(F)(7) AND 16.115(C)(4) TO ALLOW DIRECT
- 24. WP-03-54- A WAINER OF SECTIONS 16.113(F)(7) AND 16.115(C)(4) TO ALLOW DIRECT ACCESS ONTO A WAJOR COLLECTOR ROAD FOR 5 LOTS SHARING A USE IN COMMON PRIVATE ROAD AND SECTION IG. 115 (BXS) TO ALLOW A PRIVATE ROAD TO EXCEED 800 FEET IN LENGTH TO APPROXIMATELY 700 FEET WAS
- 20. WETLANDO ARE NOT FOUND ON-SITE PER THE NATIONAL WETLANDS



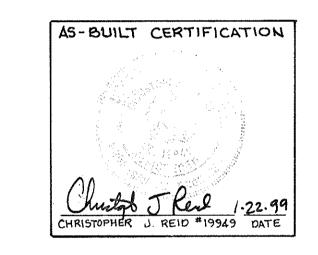
VICINITY MAP SCALE: 1"-8000"

Copyright ADC The Map People Permitted Use No. 20894285

BENCH WARKS

HO.CO. WON. # 2042000 ELEV. 201.824 N 477861.746, E 840210.276 O.2 WILED SOUTH OF VOULMERHAUSEN RD. EAST EDGE CONE WALK S#MB

HO. CO. MON. # 2042004 ELEV. 288.845 N 478800.576, E 848060.018 INT. SAVAGE-GUILFORD RD & VOLLMERHAUSEN RD.



APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC

8-8-90 A RELOCATED TEE TURNAROUND, RELIQUED BARRICADE,
REV. PROFILE

4-15-05 1 REV. LOT LINE BETWEEN LOTS 7 & 8
HADE BOW'T 30' WIDE

DATE NO. OWNER DEVELOPER

> ALFIO NICOTRA 3070 BAVAGE - GUILFORD ROAD JEOSUP, MARTLAND 20704

REVISION

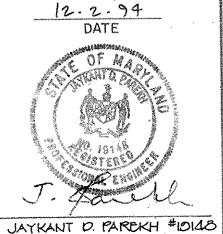
PROPERTY OF PROJECT: ALFIO NICOTRA

LOTS 7.12 PARCEL 18 AREA TAX WAP NO. 47

GT ELECTION DISTRICT HOWARD COUNTY, MARYLAND TITLE: PLAN AND PROFILE OF YENERANDO COURT

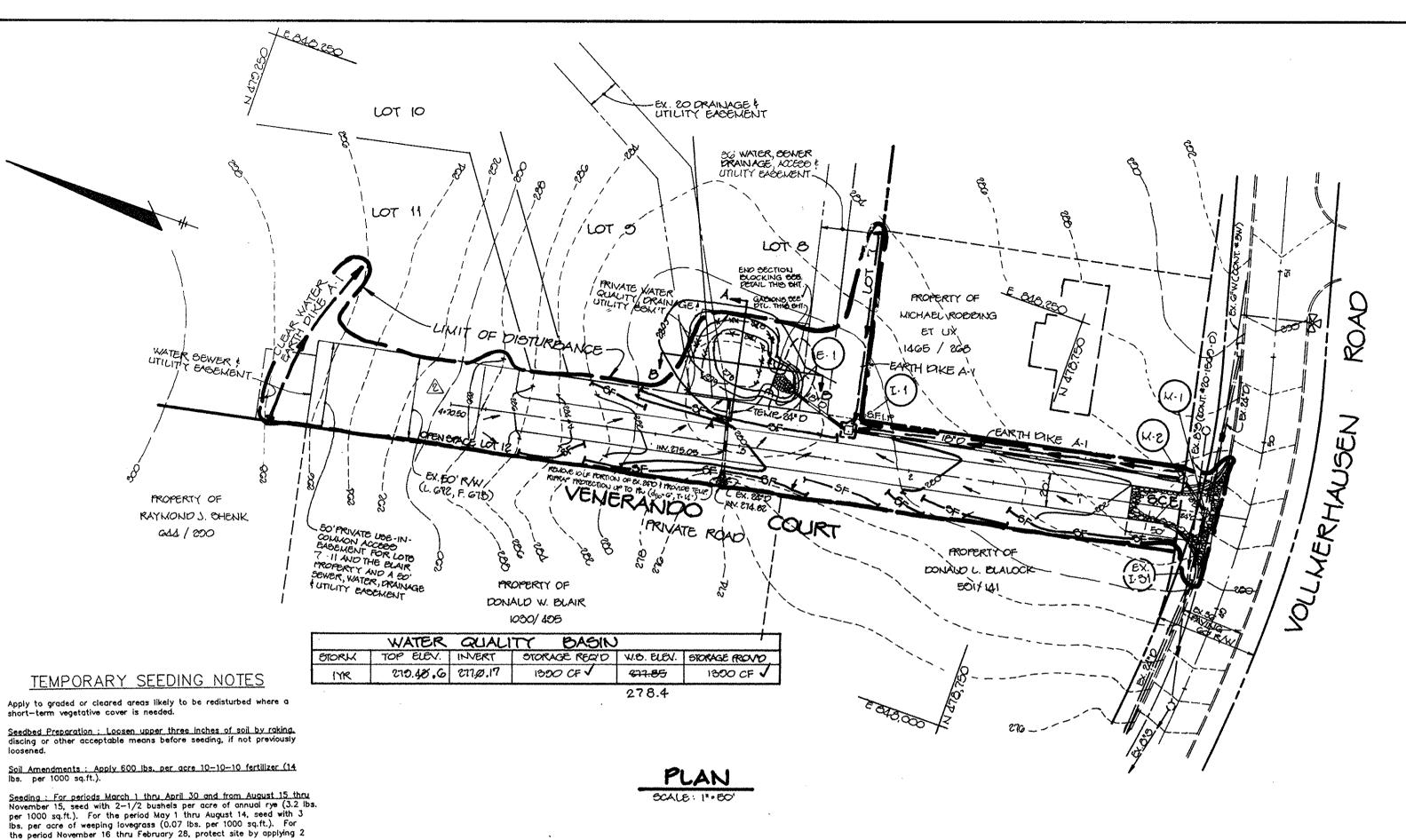
AND STORM DRAIN PROFILE

RIEMER MUEGGE & ASSOCIATES, INC. Planners · Engineers · Surveyors 8818 Centre Park Drive · Suite 200 · Columbia, Maryland 21045 410-997-8900 FAX : 410-997-9282



DESIGNED BY: CJR DRAWN BY: WAD PROJECT NO: 103000

DATE: DECEMBER 2, 1004 SCALE: AO SHOWN DRAWING NO. 1 OF 2



SEDIMENT CONTROL NOTES

1. A minimum of 40 hours notice must be given to the Howard County
Dept. of inspections and Permits prior to the start of any

2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL, AND REVISIONS THERETO.

 Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to other disturbed or graded areas on the project site.

All sediment traps/basins shown must be fenced and warning signs
posted around the perimeter in accordance with Vol. 1, Chapter 12,
of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.

All disturbed areas must be stabilized within the time period specified above in accordance with the IOOI MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.

All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control

7. Site Analysis

tons per acre of well anchored straw mulch and seed as soon as

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding.

Anchor mulch immediately after application using mulch anchoring tool

or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on

flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal.

EROSION AND SEDIMENT CONTROL for rate and methods not covered.

Apply to graded or cleared areas not subject to immediate further

Seedbed Preparation: Loosen upper three inches of soil by raking.

discing or other acceptable means before seeding, if not previously

Soil Amendments : In lieu of soil test recommendations, use one of

1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs

per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 ibs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 ibs.

per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000 sq.ft.).

Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23

lbs. per 1000 sq.ft.) before seeding. Harrow or disc into

1) 2 tons per acre of well-anchored mulch straw and seed as soon

3) Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal.

Maintenance : inspect all seeded areas and make needed repairs.

- WOVEN WIRE FENCE (MIN. 14 1/2 GAUGE, MAX. 6" MESH SPACING)

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES AND STAPLES. FILTER CLOTH TO BE FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP

AND MID SECTION.
WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY

MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULDES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL, EITHER T OR U TYPE OR 2" HARDWOOD.
FENCE: WOVEN WRE, 14 Ga.,6" MAX. MESH OPENING.
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA TI40N OR APPROVED EQUAL.

SILT FENCE DETAIL

36" MIN. FENCE POSTS, DRIVEN MIN. 16" INTO GROUND

36" MIN. FENCE POSTS, DRIVEN MIN.

Seeding: For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.)

of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre

(0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following

with 2 tons per acre well anchored straw.

upper three inches of soil.

WOVEN WIRE FENCE (14 1/2 GA. MIN., MAX. 6" MESH SPACING) WITH FILTER CLOTH OVER

4

~

C

listurbance where a permanent long-lived vegetative cover is neede

PERMANENT SEEDING NOTES

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL

per 1000 sq.ft.) for anchoring.

0.01 acres
0.76 acres
0.26 acres
0.50 acres
500 cu.yds. Total Area of Site Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized

8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same

9. Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.

10. Site grading will begin only after all perimeter sediment control

measures have been installed and are in a functioning condition. 11. Sediment will be removed from traps when its depth reaches clean out elevation shown on the plans.

12. Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of

unsuitable material. The contractor shall familiarize himself with site conditions which may affect the work. On all sites with disturbed areas in excess of Eac., approval of the inspection agency shall be requested upon completion of installation of perimeter excess and eadlinest controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be outhorized until this initial approval by the inspection

14. Translate for the construction of utilities is limited to these pipe lengths or that which can be back filled and etablifized within one working day, Whichever is charter.

POSITIVE DRAINAGE - GRADE SUFFICIENT TO DRAIN

CONSTRUCTION SPECIFICATIONS

2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET. TOP WOTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.

I. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE

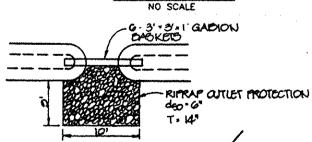
STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MURCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (I FLOW CHANNEL AS PER THE CHART BELOW:

FLOW CHANNEL STABILIZATION								
TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B					
1	0.5-3.0%	SEED & STRAW MULCH	SEED & STRAW MULCH					
2	3.1-5.0%	SEED & STRAW MULCH	SEED USING JUTE, OR EXCELSIOR; SOD; 2" STONE					
3	5.1-8.0%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIPRAP 4-8"					

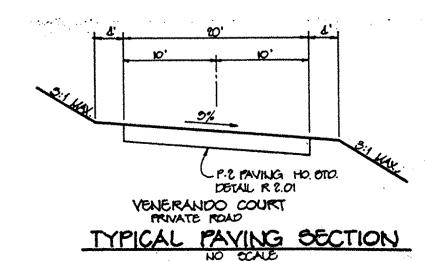
8.1-20% UNED RIPRAP 4-8" ENGINEERED DESIGN

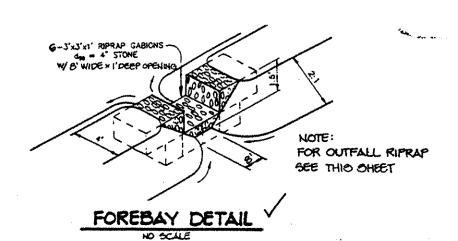
B. RIPRAP TO BE 4--8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL. C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT

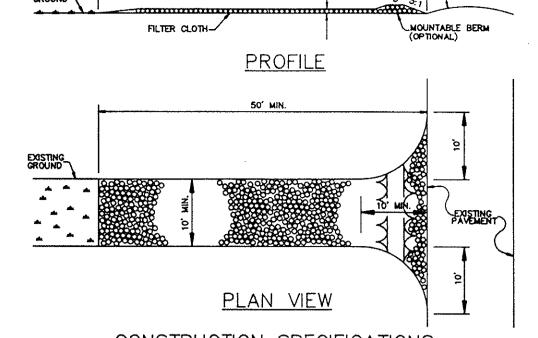
EARTH DIKE



STRUCTURE SCHEDULE TYPE LOCATION INV. IN INV. OUT TOPELEY. REMARKO 276,200 276.70 270.01 5' INLET \$ 6TA, 2+38 HO.CO. OTO. DETAIL 80 4.22 270.7K W-2 4'-0" DIA. MANHOLE & BTA. 0+40 -884.0286.6340.00.000.0000.00TAIL G 5.11 M-1 4-0" DIA. MANHOLE 275.00 283,18.09 HO.CO. STD. DETAIL G 5.11 to 04.0.81 275,50 277.00 18" CONC. END OECTION & STA. 2+75 HO. CO. OTD. DETAIL OD 551 37' RT.







CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE, LOT WHERE A 30 FOOT MINIMUM WOULD APPLY).

3. THICKNESS - NOT LESS THAN SIX (6) INCHES.

4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.

5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE RESIDENCE LOT.

6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM 5:1 SLOPES WILL BE PERMITTED.

7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

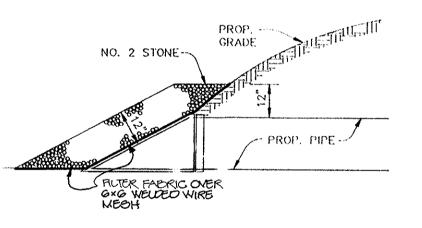
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

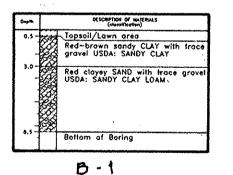
STABILIZED CONSTRUCTION ENTRANCE

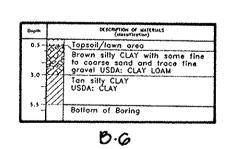
Sequence of Construction

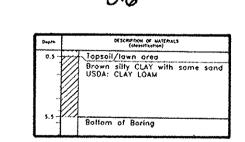
- 1. Obtain a grading permit.
- 2. Install SCE, silt fence, earth dike and extend existing 24" pipe to limit of grading to convey clear water through work zone. Do not perform grading for water quality facility. (3 days)
- Begin rough-grading for driveway and inetall storm drain from E-1 to Ex. I-31. Provide blacking at E-1 per detail. Remove Ex. 24° pipe and provide inlet protection at I-1.
- When subgrade elevations are achieved, install water sewer. Grade for water quality facility installing gabion wall and rigrage.
- 5. Perform curb and gutter at entrance, paving, and stabilize remaining disturbed areas in accordance with the permanent seeding notes. (2 weeks)
- 6. Upon permission of the Howard County Department of Public Works sediment control inspection, remove all remaining sediment control devices and stabilize in accordance with the permanent seeding notes.



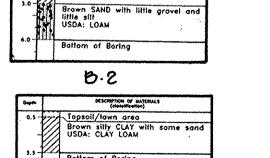
END SECTION BLOCKING DETAIL FOR E-1





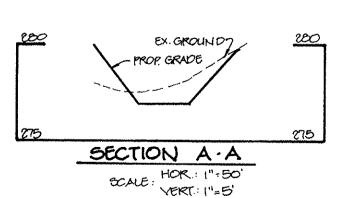


b.7

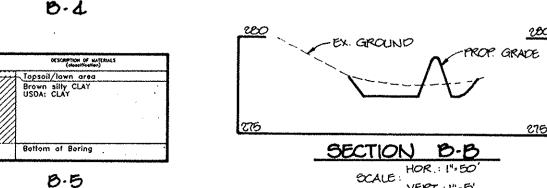


8.3

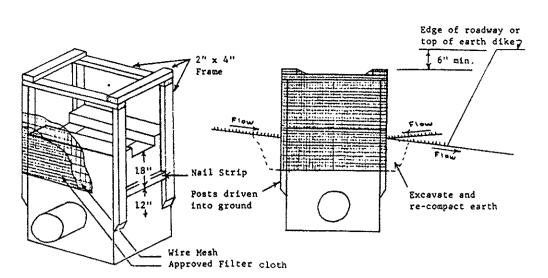
DESCRIPTION OF MATERIALS (choesification)



VERT .: 1" -5"



BORING LOGS



STANDARD SYMBOL-

Construction Specifications

I. <u>Materials</u>

-EXISTING PAVEMENT

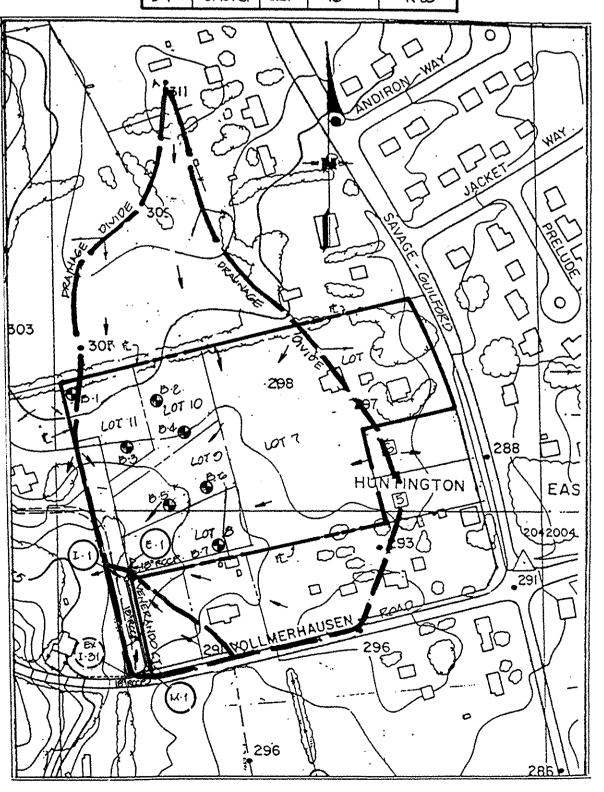
- i. Wooden frame is to be constructed of 2" x 4" construction grade
- 2. Wire mesh must be of sufficient strength to support filter fabric, and stone for curb inlets, with water fully impounded against it.
- 3. Filter cloth must be of a type approved for this purpose; resistant to sunlight with sieve size, EOS, 40-85, to allow sufficient passage of water and removal of sediment.
- 4. Stone is to be 2" in size and clean, since fines would clog the
- 5. The assembly shall be placed so that the end spacers are a minimum l' beyond both ends of the throat opening.
- 6. Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or
- 7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
- 8. Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

II. Procedure

- A. A swale, ditchline or yard inlet protection
- 1. Excavate completely around inlet to a depth of 18" below notch
- 2. Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 6" below edge of roadway adjacent to
- 3. Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
- 4. Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down
- 5. Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation
- 6. If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (weir).
- 7. This structure must be inspected frequently and the filter

STONE FILTER INLET PROTECTION

	NO SCALE							
DRAINAGE DATA								
NO.	AREA	,Ö,	% II./P	ZONING				
દ∙1	10.0 Ac.	0.41	ı	R-80				
I-1	0.70Ac	0.41	16	R-20				



DRAINAGE AREA MAP SCALE: 1"-200"

BY THE DEVELOPER :

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

12/2/94 DATE

AS-BUILT CERTIFICATION

BY THE ENGINEER

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL



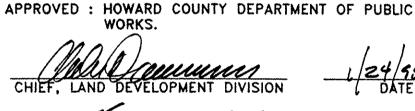
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.



AND RESEARCH



CHIEF, BUREAU OF ENGINEERING 8.8.00 A RELOCATED TEE TURNAROUND
REV. GRADING
REV. LOT LINE BOTWEEN LOTS 7 \$ 8 4.18.95 I WADE EDK'T SG' WIDE

REVISION

DATE NO. OWNER / DEVELOPER

ALFIO NICOTRA 3070 SAVAGE GUILFORD ROAD JECOUP, MARYLAND 20701

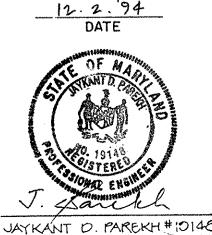
PROPERTY OF PROJECT ALFIO NICOTRA

WTS 7-12 AREA TAX MAP NO. 47 64 ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

GRADING & SEDIMENT CONTROL PLAN, DRAINAGE AREA WAP & DETAIL SHEET

RIEMER MUEGGE & ASSOCIATES, INC. Planners · Engineers · Surveyors 8818 Centre Park Drive · Suite 200 · Columbia, Maryland 21045 FAX: 410-997-9282 410-997-8900



DESIGNED BY: CJR DRAWN BY: MAD PROJECT NO: 103000

DATE: DECEMBER 2, 1994. SCALE: AS SHOWN DRAWING NO. 2 OF 2

PARCEL 18

AS-BUILT 1.22.99